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PHOTOGRAPHIC INTERPRETATION REPORT

CHRONOLOGY OF ARMAMENTS PLANT 66
ZLATOUST, USSR

Declass Review by NIMA/DOD

SEPTEMBER 1967

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CHRONOLOGY OF ARMAMENTS PLANT 66 ZLATOUST, USSR

INTRODUCTION

This report is a chronological study of Armaments Plant 66, Zlatoust, USSR [redacted] 55-05N 059-43E), one of a series of reports on missile production and test facilities. Armaments Plant 66 (Figures 1 and 2) will be referred to as Arms Plant 66 in the remainder of the report. All item numbers in the text are keyed to Table 1 and Figure 3.

Arms Plant 66 is situated in a small valley approximately 5 nautical miles (nm) south-southeast of Zlatoust. The site covers more than 400 acres. Although the exact boundaries cannot be precisely determined, the plant appears to be composed of 2 large, separately secured industrial areas which will be designated as the North Area and the South Area. The structures in these 2 areas contain approximately 2 million square feet (sq ft) of roof cover. There are at least 51 major structures in the installation including a horizontal test building (item 50), 5 large fabrication/assembly buildings (items 15, 16, 37, 39, and 41), a foundry (item 5), machine shops, and various related workshops and support buildings.

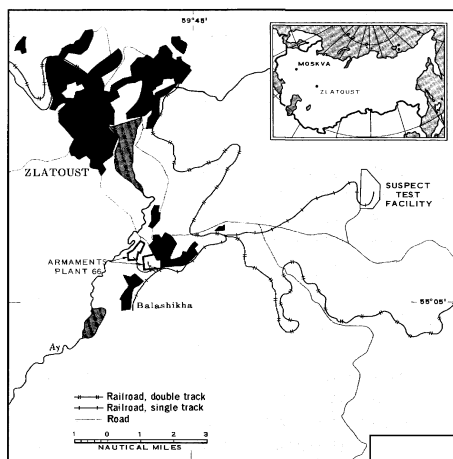


FIGURE 1. LOCATION MAP.

Utilities for Arms Plant 66 include a large steam-plant and an electrical substation situated between the North and South Areas. A good road and rail network is situated within the plant areas. A housing section is located immediately east of the plant. The construction of some new housing units, begun in 1964 and completed in 1966, was probably related to the construction of the large new fabrication/assembly building (item 37).

A separately secured section on the northeast side of the South Area contains approximately 24 small workshops with a total of [redacted] of roof cover. This section may be used for storage/support. Except for one large new building, this section has undergone essentially no change since 1962. For this reason, it will be excluded from the line drawing (Figure 3) and Table 1.

Rifles, machine guns, and antiaircraft guns have been produced in Arms Plant 66 since World War II. 1/ In the 1950s there were indications that the plant had begun missile production, in particular the SCUD SSM. 2/ However, there was no photography of the plant available at this time to confirm this.

The first [redacted] photography of the plant was in [redacted]

The small scale and limited interpretability

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of the [] system precluded the identification of any missiles, missile components, or test buildings. The first large-scale, [] photography was not obtained until [] [] On this photography the missile production capability of the plant could be confirmed by the identification of a horizontal test building (item 50 and Figures 4 and 5). Furthermore, 5 crates, measuring approximately [] feet, were observed outside a fabrication/assembly building. A crate of this size could be used for shipment of the SCUD-B SSM.

The horizontal test building (item 50) was observed in the northwest corner of the plant. The overall dimensions of the building are [] feet with a height of 15 feet. The positioning of the roof monitors indicates that the building may contain 4 test cells which are directed toward a 75-foot-wide blast deflector located [] from the test building. The general configuration of the horizontal test building is similar to one at the Dnepropetrovsk Missile Development and Production Center. On [] photography, the pattern of melted snow on the face of the blast deflector provided evidence of recent test activity. The group of structures situated at the southern end of the test building cannot be accurately delineated from available photography.

Immediately southwest of the horizontal test building are 2 sets of horizontal pressure tanks (item 51). Each tank in the first set of 4 tanks measures [] and is connected to a building which measures [] feet. Each tank in the other set of 4 tanks, located 100 feet to the south, measures 20 by 10 feet. The proximity of these tanks to the horizontal test building suggests that they are involved in a test process.

A suspect missile test facility has been observed under construction 7 nm east-northeast of Arms Plant 66 at 55-08N 059-54E. An apparent vertical test position under construction is visible on the eastern edge of this facility. A functional relationship between Arms Plant 66 and the suspect test facility is suggested by the proximity of the 2 installations and the fact that rail service exists between them. The suspect test facility may be designed to test new missile hardware to be produced at Arms Plant 66.

The construction program for Arms Plant 66 between 1961 and 1966 has been limited; 7 new structures were either completed or are presently under construction.

Only 1 building (item 37) has significantly altered the total working area of the plant, increasing it by 200,000 sq ft.

Two buildings in an early stage of construction have been newly identified on the [] photography.

HIGHLIGHTS OF CHRONOLOGY

Between [] Arms Plant 66 has been observed [] photography. In some instances, the first evidence of construction and dates of completion could not be accurately determined due to photography of poor interpretability or the lack of photographic coverage.

1961

[] photography of 1961 was of very poor interpretability. Although many of the smaller buildings were probably present in 1961, only the large fabrication/assembly buildings and some additional buildings could be confidently identified.

1962

During 1962, ground scarring for a large fabrication/assembly building (item 37) was observed in the North Area. No other new construction was observed. However, the quality of the photography did not permit the identification of many of the buildings at this installation.

1963

Construction continued on a fabrication/assembly building (item 37). A small workshop (item 30) had been erected since 1962 in the South Area. A new section had also been added to a large fabrication/assembly building (item 15b) in the South Area. This addition increased the length of the building by 220 feet.

1964

No significant construction changes were observed in the 2 plant areas. However, east of the plant areas, new housing was being erected. This activity appeared to be concurrent with the construction of the new fabrication/assembly building (item 37) in the North Area.

1965

A new shop building (item 22) was begun in the South Area in [] No other new construction was noted.

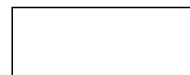
1966

Almost 4 years after the ground breaking, the large new fabrication/assembly building (item 37) was externally complete. It measures [] feet and contains 221,880 sq ft of roof cover. A high-bay section measuring 280 by 70 by 75 feet high is situated on the east end of the building. Another new building (item 46) containing a high-bay section with a height of 50 feet was first observed on [] photography; however, the construction status of this building remained in doubt until [] The location and configuration of this building suggest a test and/or assembly function. In the South Area, construction on the new shop building (item 22) continued.

1967

In [] the horizontal test building (item 50) was identified in the North Area on large-scale photography. Security fence around the new fabrication/assembly building (item 37) was nearing completion. By [] activity was again evident outside this building. A conduit was being installed on the south side of the building while an excavation for a new building was observed on the east side. No new construction activity was observed at the horizontal test building.

In the South Area, the new shop building (item 22) was nearing completion. Footings for a new building were also observed near the west edge of this area.



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***The Date Apparently Complete is the first date the structure outwardly appeared complete; this date may not be the same as the date the structure was operational.

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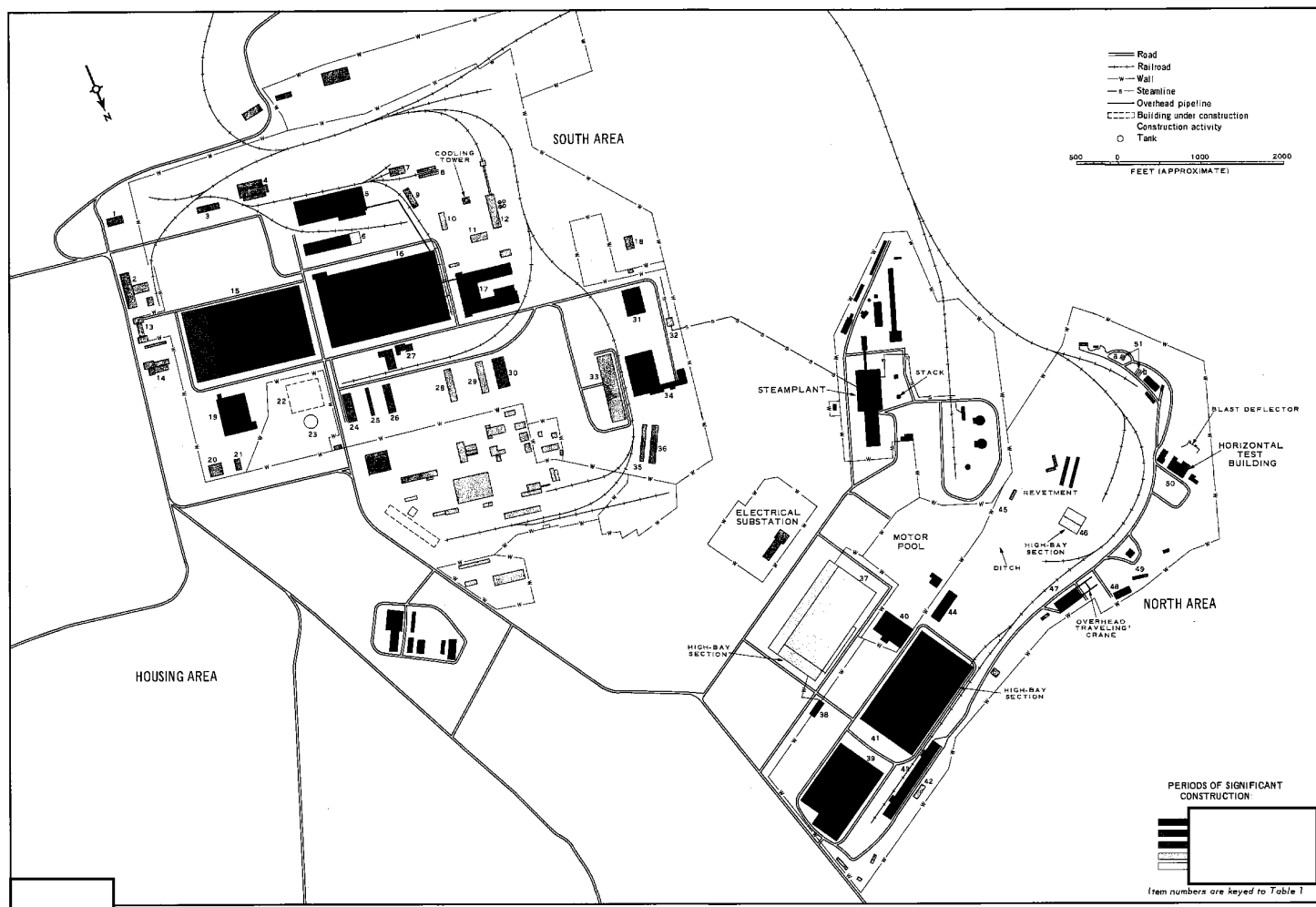


FIGURE 3. LAYOUT OF ARMAMENTS PLANT 66.

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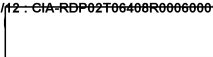
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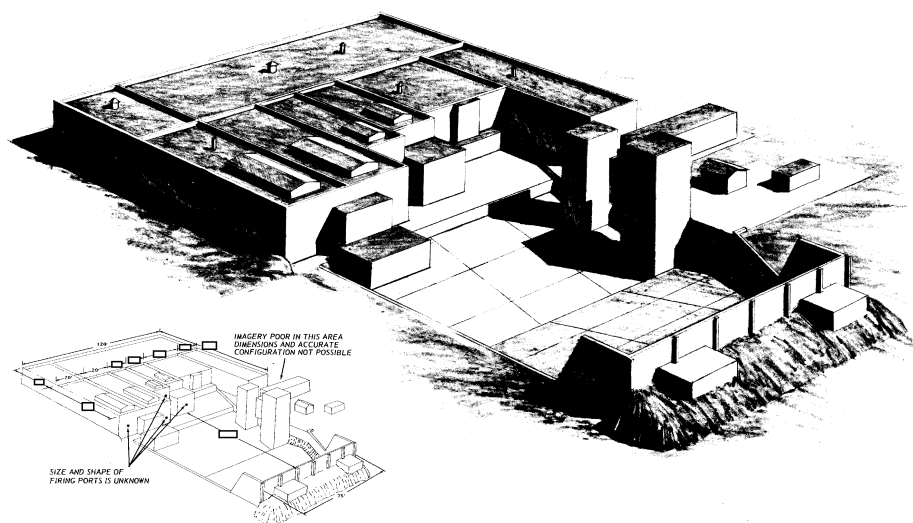


FIGURE 4. PERSPECTIVE OF THE HORIZONTAL TEST BUILDING (item 50, Figure 3).

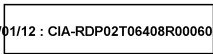
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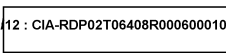
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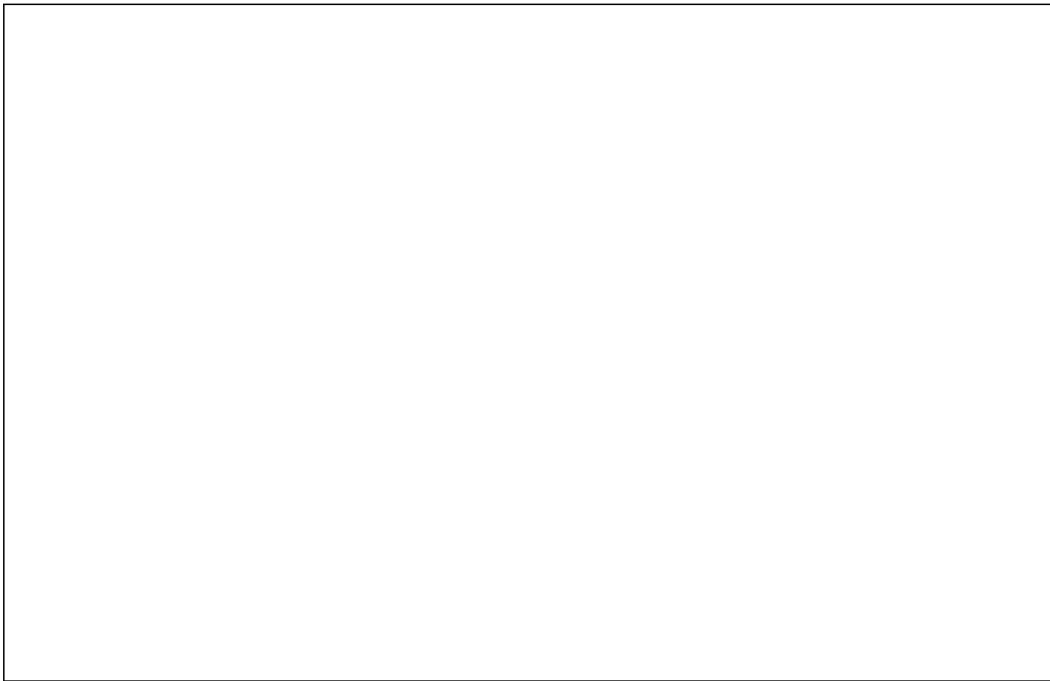


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MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0164-7

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2. NPIC. R-15/62, *Zlatoust Armament Plant, Zlatoust, USSR*, Feb 62 (TOP SECRET)



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REQUIREMENT

CIA. C-DI5-82,973

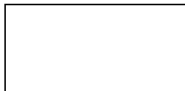
NPIC PROJECT

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